

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/013343

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H03M13/11

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H03M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>NOUH A ET AL: "Bootstrap decoding of low-density parity-check codes" IEEE COMMUNICATIONS LETTERS, IEEE SERVICE CENTER, PISCATAWAY, US, US, vol. 6, no. 9, September 2002 (2002-09), pages 391-393, XP001128483 ISSN: 1089-7798 abstract page 392, left-hand column, paragraph 2 - paragraph 4</p> <p>CA 2 310 186 A (CASTURA JEFFREY P ;KSCHISCHANG FRANK (CA)) 2 December 2001 (2001-12-02) figure 4.7 page 62 - page 64</p> <p>-/-</p>	1-25
A		1-25

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*P\* document published prior to the international filing date but later than the priority date claimed

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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

21 February 2005

Date of mailing of the international search report

11/03/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	MAO Y ET AL: "Decoding low-density parity-check codes with probabilistic scheduling" IEEE COMMUNICATIONS LETTERS, IEEE SERVICE CENTER, PISCATAWAY, US, US, vol. 5, no. 10, October 2001 (2001-10), pages 414-416, XP001110789 ISSN: 1089-7798 the whole document -----	1-25
A	YIN LIUGUO ET AL: "Modified belief-propagation algorithm for decoding of irregular low-density parity-check codes" ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 38, no. 24, 21 November 2002 (2002-11-21), pages 1551-1553, XP006019345 ISSN: 0013-5194 the whole document -----	1-25
A	WO 03/032499 A (RICHARDSON TOM ;FLARION TECHNOLOGIES INC (US); NOVICHKOV VLADIMIR) 17 April 2003 (2003-04-17) the whole document -----	1-25
A	WO 02/37731 A (CUTE LTD ;GOLDBERGER JACOB (IL)) 10 May 2002 (2002-05-10) the whole document -----	1-25
A	KSCHISCHANG F R ET AL: "Factor graphs and the sum-product algorithm" IEEE TRANSACTIONS ON INFORMATION THEORY, IEEE INC. NEW YORK, US, vol. 47, no. 2, February 2001 (2001-02), pages 498-519, XP001009659 ISSN: 0018-9448 the whole document -----	1-25

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Information on patent family members

International Application No

PCT/EP2004/013343

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
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